

Amendments to Claims

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims

1. – 15. (canceled)

16. (previously presented) A method of transforming data in a multi-thread parallel processing environment comprising a single operating system and one or more processors wherein:

map components are assembled visually into an integrated dataflow application using compiler tools linking map processes within map components, wherein the map components are linked using ports;

the integrated dataflow application is executed in parallel by recognizing the linked map processes within the map components and allocating a separate thread to each of a plurality of linked map processes; and

each of said plurality of linked map process is executed on its allocated thread substantially in parallel as part of a single process, and said data resides in memory accessible to each of said plurality of linked map process.

17. (original) The method of claim 16, wherein said plurality of linked map processes read data tokens from input ports and write data tokens to output ports.

18. – 23. (canceled)

24. (previously presented) The method of claim 16, communication between said processes executing in parallel being managed by an executor separate from the operating system.

25. (canceled)

26. (previously presented) The method of claim 16, at least one map component being composite, thereby encapsulating a particular dataflow pattern.